MAY 1 4 2007 Attorney Docket No. 11745-25 Client Reference No. EXA-143

Appln. No. 10/734,758

## I. Listing of Claims

1-10. (Cancelled)

11-23. (Cancelled)

24. (Previously Presented) A method of transferring a membrane image by membrane image transfer to a substrate, the method comprising:

providing an ink comprising:

- a hydrocarbon solvent having a predetermined evaporation rate;
- a synthetic polymeric resin; and
- a thixotrope for forming a thixotropic network in the ink, the thixotropic network having a thixotropic network magnitude of between 3x10<sup>4</sup> and 6x10<sup>5</sup> dynes/cm<sup>2</sup>-sec<sup>-1</sup> and a thixotropic network strength of at least 35.0 gm-cm;

applying a printed decoration of the ink through a screen to a membrane, defining the membrane image on the membrane;

forming the membrane to the geometry of the surface of the substrate;

adhering the membrane image to the substrate by pressing the membrane and the substrate together in forced contact;

maintaining pressure between the membrane and the substrate to transfer the membrane image from the membrane to the substrate; and

separating the membrane from the substrate.

- 25. (Original) The method of claim 24 further comprising maintaining the membrane and the article in a part fixture.
- 26. (Original) The method of claim 24 wherein the ink containing the thixotropic network has a creep viscosity of between  $8x10^2$  to  $9x10^4$  poise and a tan ratio  $\delta$  at least 1.

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- 27. (Original) The method of claim 26 wherein the ink containing thixotropic network has a creep recovery of at least 5% and a static yield stress of between 1 and 50 dynes/cm<sup>2</sup>.
- 28. (Original) The method of claim 24 wherein the hydrocarbon solvent includes at least one of the following:
- an aliphatic hydrocarbon, an aromatic hydrocarbon, a naphthenic hydrocarbon, a chlorinated hydrocarbon, a terpene solvent, an oxygenated solvent, a ketone, an ester, a glycol ether, an acetate, an alcohol, a nitroparaffin, or a furan solvent.
- 29. (Original) The method of claim 24 wherein the thixotrope includes at least one of the following:
- a castor oil derivative, a high molecular weight polyolefin, an attapulgite, a montmorillonite, an organo-clays, a fumed silica, a fibrated mineral, a calcium sulphonate derivative, a polyamide resin, a polyester amide, an alkyds, an oil-modified alkyd, an ionic surfactant agent, or a non-ionic agent.
- 30. (Original) The method of claim 24 wherein the polymeric resin includes at least one of the following:
- a polycarbonate resin, a PVC resin, a polyester resin, an acrylic resin, a vinyl resin, a cellulosic resin, an alkyd resin, a formaldehyde derived resin, an epoxy resin, a polyurethane resin, a silicone resin, a silicate resin, an amino resin, a polyamide resin, a phenolic resin.
  - 31. (Original) The method of claim 24 further comprising:
    - a pigment dispersed in the ink for opacity or color;
- an additive to disperse the pigment, the additive including a surfactant, a dispersant, or mixtures thereof; and
  - a catalyst to initiate cross-linking between polymer chains in the resin.
- 32. (Original) The method of claim 31 wherein the pigment includes at least one of the following:



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alumina, silica, titanium dioxide, magnesium silicate, barium sulfate, calcium carbonate, aluminum silicate, calcium silicate, aluminum potassium silicate, metallic flakes, yellow iron oxide, chromium green oxide, pearlescent pigment, molybdate orange, cadmium orange, furnace black, channel black, and lamp black, copper phtahocyanine blue, dioxazine violet, quinacridone magenta, azo diarylide yellow, perylene red, Indathone blue, carbazole violet, isoindoline yellow, or pyrazolone orange.

33. (Previously Presented) The method of claim 31 wherein the surfactant includes at least one of the following:

metallic soap, sulfonate, phosphate esters, fatty acid ester, fluoroaliphatic polymeric ester, a titanate coupling agent, a ziconate coupling agent, an aluminate coupling agent, an organomodified polysiloxane, a block copolymers of poly(alkylene oxide), a hyperdispersant, base neutralized fatty alcohol sulfate, a polyamino-amide phosphate, or carboxylic acid.

34. (Original) The method of claim 31 wherein the catalyst includes at least one of the following:

an isocyanate, a metal drier, an acid, a base, or a peroxide.

35. (Cancelled)